

Title (en)

METHOD AND SYSTEM FOR OBTAINING HIGHER ORDER GRADIOMETER MEASUREMENTS WITH LOWER ORDER GRADIOMETER

Title (de)

VERFAHREN UND ANORDNUNG ZUR ERHALTUNG VON HOHEREN-ORDNUNG-GRADIOMETERMESSUNGEN MIT GRADIOMETER VON NIEDRIGER ORDNUNG

Title (fr)

PROCEDE ET SYSTEMES D'OBTENTION DE MESURES RADIOMETRIQUES D'ORDRE SUPERIEUR AVEC UN GRADIOMETRE D'ORDRE INFERIEUR

Publication

EP 0830612 B1 20040526 (EN)

Application

EP 96918537 A 19960607

Priority

- CA 9600393 W 19960607
- US 47629095 A 19950607

Abstract (en)

[origin: WO9641209A1] A method and system of obtaining magnetic measurements with a preselected order of sensor gradiometer which are substantially equivalent to those which would be obtained with a sensor gradiometer of a higher order. The system and method employs a reference system comprising a reference tensor gradiometer and appropriate components of a measured tensor are combined with the measurements obtained from the sensor gradiometer to obtain a magnetic measurement substantially equivalent to that which would have been measured by a higher order sensor gradiometer.

IPC 1-7

G01R 33/022

IPC 8 full level

A61B 5/05 (2006.01); **G01R 33/022** (2006.01); **G01R 33/035** (2006.01)

CPC (source: EP US)

G01R 33/022 (2013.01 - EP US)

Citation (examination)

BECKER W. ET AL: "First experiences with a multichannel software gradiometer recording normal and tangential components of MEG", PHYSIOL. MEAS., vol. 14, 1993, pages A45 - A50

Designated contracting state (EPC)

DE FI FR GB IT NL

DOCDB simple family (publication)

WO 9641209 A1 19961219; AU 6117296 A 19961230; CA 2223748 A1 19961219; CA 2223748 C 20020924; DE 69632583 D1 20040701; DE 69632583 T2 20050609; EP 0830612 A1 19980325; EP 0830612 B1 20040526; JP H11506198 A 19990602; US 5657756 A 19970819

DOCDB simple family (application)

CA 9600393 W 19960607; AU 6117296 A 19960607; CA 2223748 A 19960607; DE 69632583 T 19960607; EP 96918537 A 19960607; JP 50005497 A 19960607; US 47629095 A 19950607